Use Attainability Analysis

for

WBID 0926 Pin Oak Creek

Submitted by Missouri Department of Natural Resources Staff

To Missouri Department of Natural Resources Water Protection Program

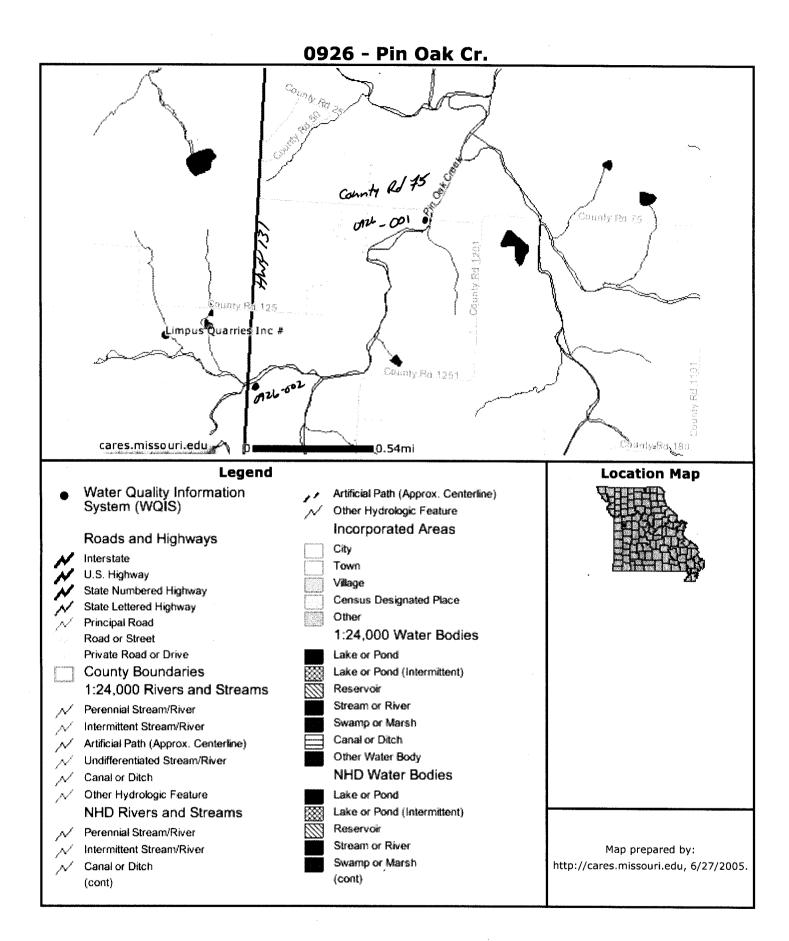
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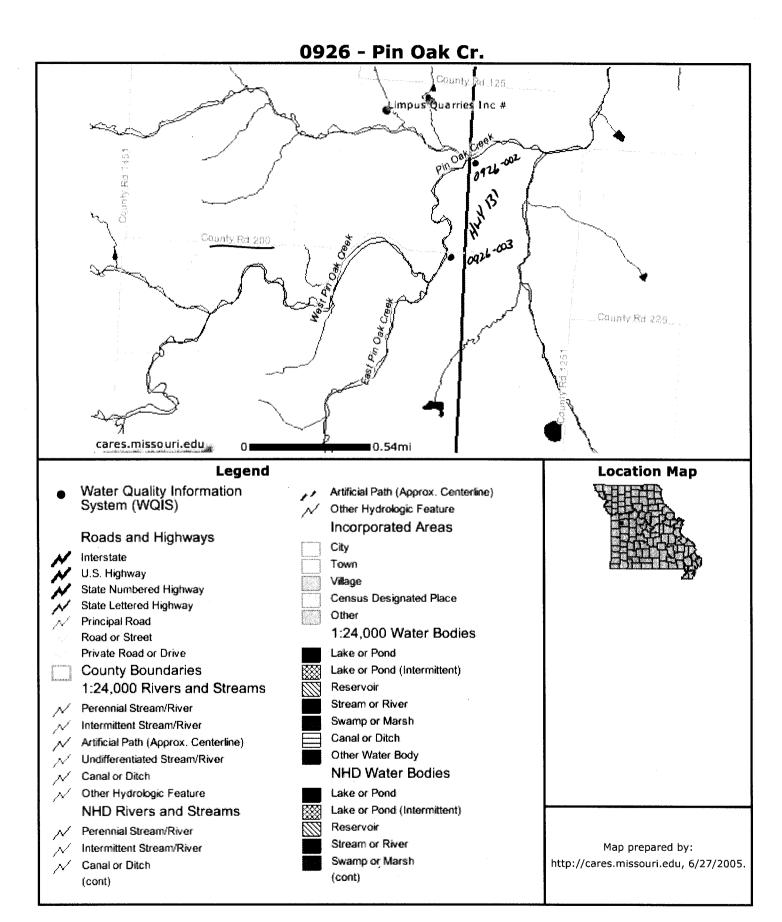
Data Sheet A - Water Body Identification

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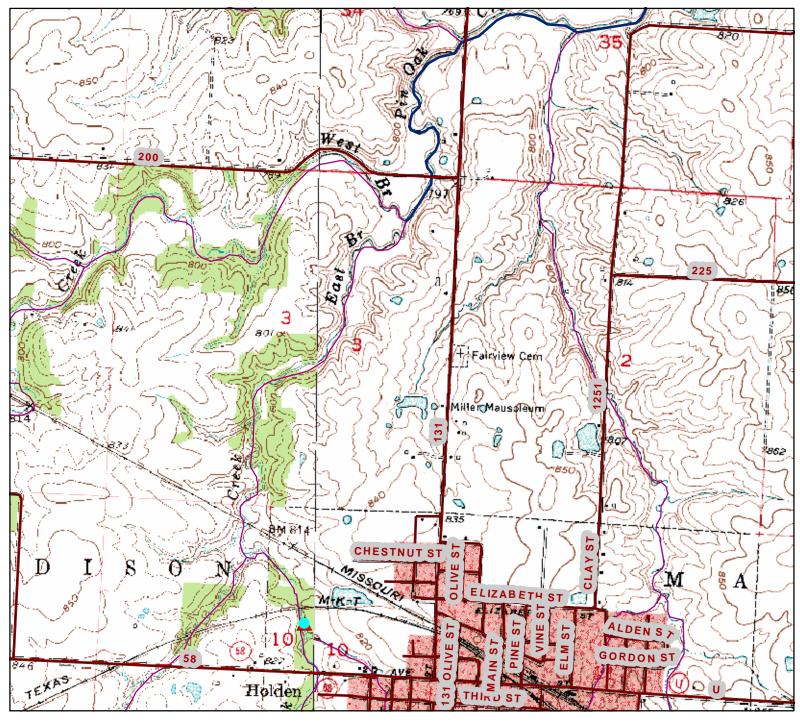
Water Body Name (from USGS 7.5' quad): Pip Cak CC. 8-digit HUC: /0300/04 Missouri WBID #: 6926 County: Johnson Upstream Legal Description: County N 300 Downstream Legal Description: County Rd 75 Upstream Coordinates: N 38.74034 W 093.99411 Downstream Coordinates: N 38.75792 W 093.99411 Discharger Facility Name(s): Holden WWF Discharger Facility Name(s): MO 005708 Number of Sites Evaluated: 3 Name of Surveyor and Telephone Number: Anom Blubaum 8/6-622-70/8 Organization: MOM Position: Env. Speculist the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA asheet is true and accurate.		
Missouri WBID #: 6926 County: Johnson Upstream Legal Description: County RJ 300 Downstream Legal Description: County RJ 75 Upstream Coordinates: N 38.74034 W03.99411 Downstream Coordinates: N 38.75792 W03.99411 Downstream Coordinates: N 38.75792 W03.99411 Discharger Facility Name(s): Holden WWTF Discharger Permit Number(s): M0 0057908 Number of Sites Evaluated: 3 Name of Surveyor and Telephone Number: Anom Blishum 816-622-7018 Organization: mDWR Position: Env. Jeculist the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA	Water Body Na	me (from USGS 7.5' quad): Pio Oak CC.
County: Johnson Upstream Legal Description: County N 300 Downstream Legal Description: County Rd 75 Upstream Coordinates: N 38.74034 W013.99411 Downstream Coordinates: N 38.75782 W013.99411 Downstream Coordinates: N 38.75782 W013.974689 Discharger Facility Name(s): Holden WWTF Discharger Permit Number(s): MO 0057908 Number of Sites Evaluated: 3 Name of Surveyor and Telephone Number: Anom Blaisaum 8/6-622-7018 Organization: MDWR Position: Env. Speculist the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA	8-digit HUC:	10300104
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Downstream Legal Description: County Rd 75 Upstream Coordinates: N38.74037 W093.99411 Downstream Coordinates: N38.75782 W093.97689 Discharger Facility Name(s): Holden WWF Discharger Permit Number(s): M00057408 Number of Sites Evaluated: 3 Name of Surveyor and Telephone Number: Anom Bleibaum 8/6-622-70/8 Organization: mDwk Position: Env. Jeculit the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA		
Downstream Legal Description: County Rd 75 Upstream Coordinates: N38.74084 W013.99411 Downstream Coordinates: N38.75492 W013.99411 Discharger Facility Name(s): Holden WWF Discharger Permit Number(s): M00057108 Number of Sites Evaluated: 3 Name of Surveyor and Telephone Number: Aarm Bleibaum 8/6-622-70/8 Organization: m0wk Position: Lov. Seculist the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA	Upstream Lega	Description: County 1/200
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Position: Env. Seculist the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA	Organization:	mond
he undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA	Position:	Env. Seculiat
	the undersigned	, hereby affirm to the best of my knowledge, that all information reported on this UAA nd accurate.
ned: Date: 7/5/05	gned:	Kur Tolubs Date: 7/5/05

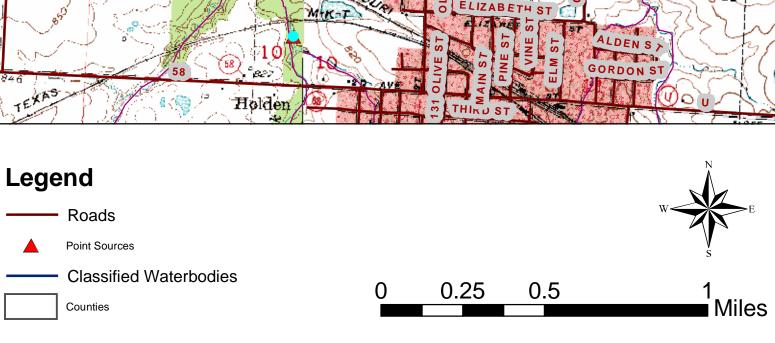
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Holden WWTF Johnson County ~1.87 miles from Pin Oak Creek (#0926)





Field Data Sheets for Recreational Use Stream Surveys

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(A separate data sheet must be completed for each site)

 	726-001		Site Location D		_
Site GPS Coordinates: N	38.75782 NO	93.97690	County U	B John	ism Co.
Date & Time: 7/5/4	5 8:24An		Facility Name:	Holler WWTF	
Personnel: Agen	Bleiber		Permit Number:	MO 0057908	
		. Qo'F	Weather Condit	ions for Past 7 days: We-	<i>t</i>
Current Weather Condit Photo Ids: Upstream: /	- 3 Dov	vnstream: 4-	Othe	r:	
		· ·			
s Observed*:					
Swimming	Skin diving	□ sct	JBA diving	Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boa	ating	☐ Wading	Rafting
☐ Hunting	Trapping	☐ Fish	ning	☐ None of the above	Other: Tice Ho
Describe: (include numb Dec Anniels Oily Resile	er of individuals rec in Stream an Surface	of wate	r downst	documentation of evidence	of recreational uses, etc
Deed Anniels Oily Reside	ni stream on surface	of wate	r downstr	documentation of evidence	
Dead Annials Oily Reside Trounding Conditions s of interest.)	ns*: (Mark all that	of wate	dawnsh	uses. Attach photos of evider	nce or unusual
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Dead Annials Oily Reside Trounding Conditions s of interest.)	ns*: (Mark all that	of wate	pede recreational unservation lands	uses. Attach photos of evider Urban areas Nature trails	nce or unusual Campgrounds Stairs/walkway
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other items that may be of interest. (Include photographs)

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Run Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): Pool Width (ft): I Length (ft): I Avg. Depth (ft): I Max. Depth (ft): Provent	Run Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): Pool Width (ft): Z Length (ft): 75 Avg. Depth (ft): / 4 Max. Depth (ft): Flow Present? Yes No Estimated (ft ³ /secx) 25 / 45 Run Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): Run Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): Pool Width (ft): Length (ft): Avg. Depth (ft): / 4 Max. Depth (ft): Pool Width (ft): Length (ft): Avg. Depth (ft): / 4 Max. Depth (ft): Pool Width (ft): Length (ft): Avg. Depth (ft): / 4 Max. Depth (ft): Pool Width (ft): Length (ft): Avg. Depth (ft): / 4 Max. Depth (ft): Pool Width (ft): Length (ft): Avg. Depth (ft): / 4 Pool Width (ft): Length (ft): Avg. Depth (ft): / 4 Pool Width (ft): Length (ft): Avg. Depth (ft): / 4 Pool Width (ft): Length (ft): Avg. Depth (ft): / 4 Pool Width (ft): Length (ft): Avg. Depth (ft): / 4 Pool Width (ft): Length (ft): Avg. Depth (ft): / 4 Pool Width (ft): Length (ft): Avg. Depth (ft): / 4 Pool Width (ft): Length (ft): Avg. Depth (ft): / 4 Pool Width (ft): Length (ft): Avg. Depth (ft): / 4 Pool Width (ft): Length (ft): Avg. Depth (ft): / 4 Pool Width (ft): Length (ft): Avg. Depth (ft): / 4 Pool Width (ft): Length (ft): Avg. Depth (ft): / 4 Pool Width (ft): Avg. Depth (ft): / 4 Pool Width (ft): Length (ft): Avg. Depth (ft): / 4 Pool Width (ft): Avg. Depth (ft): Avg. Depth (ft): / 4 Pool Width (ft): Avg. Depth (ft): Avg. Depth (ft): / 4 Pool Width (ft): Avg. Depth (ft): Avg. Depth (ft): Avg. Depth (ft): / 4 Pool Width (ft): Avg. Depth (ft)	Run	Width (ft):		Dimensions: Length (ft):		Avg. Depth (ft):	Max. Depth (fl	t):
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bstrate*: (These values should add up to 100%.) 50 % Cobble % Gravel % Sand % Silt 50 % Mud/Clay % uatic Vegetation*: (note amount of vegetation or algal growth at the assessment site) 5% 6/3** uter Characteristics*: (Mark all that apply.)	trate*: (These values should add up to 100%.) Solution Soluti	Flow	Present?	▼ Yes	□ No		Estimated (ft ³ /s	sec): 0.2	S ft/see	· /· // /
Odor: Sewage Musky Chemical None Color: Green Gray Milky Other: Make	dor: Sewage Musky Chemical None Cother: Solder: Solder: Solder: Musky Milky Other: Musky Stottom Deposit: Sludge Solids Fine sediments None Other: Inface Deposit: Oil Scum Foam None Other: Inface Deposit: Please attach additional comments (including information from interviews) to this form.			·····	is all than and less				<u></u>	
Color: Green Gray Milky Cther: Maddy	ottom Deposit: ☐ Sludge ☐ Solids ☐ Fine sediments ☐ None ☐ Other: Inface Deposit: ☐ Oil ☐ Scum ☐ Foam ☐ None ☐ Other: Inface Deposit: ☐ Oil ☐ O	or Chara				C	hemical [None	Other: Dea	JAnnah
	ottom Deposit: ☐ Sludge ☐ Solids ☐ Fine sediments ☐ None ☐ Other: Inface Deposit: ☐ Oil ☐ Scum ☐ Foam ☐ None ☐ Other: Inface Deposit: ☐ Oil ☐ O			Joewage				T Miller	Other 44	
Bottom Deposit: ☐ Sludge ☐ Solids ☑ Fine sediments ☐ None ☐ Other:	ments: Please attach additional comments (including information from interviews) to this form.	Odor:				□ c	rray (De Outer Mi	dh.
Surface Deposit: ▶ Oil		Odor: Color: Bottom Dep	cosit:	Clear Sludge	Green Solids	₩F	ine sediments [None	Other:	My
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orehensive understanding of water conditions. Consequently, this information is not intended to directly influence a ion on the recreation use analysis but may point to conditions that need further analysis or that effect another use.		Odor: Color: Bottom Dep Surface Dep Iments: F information brehensive u	posit: Description of the control of	Clear Sludge Oil ach addi be used so	Green Solids Scum tional comment olely for removal of	F is (included a recreation sequently,	ine sediments [oam [ing information] onal use designat this information in	None None n from inte	Other: Other: trylews) to this for is to provide a more at to directly influence.	rm.



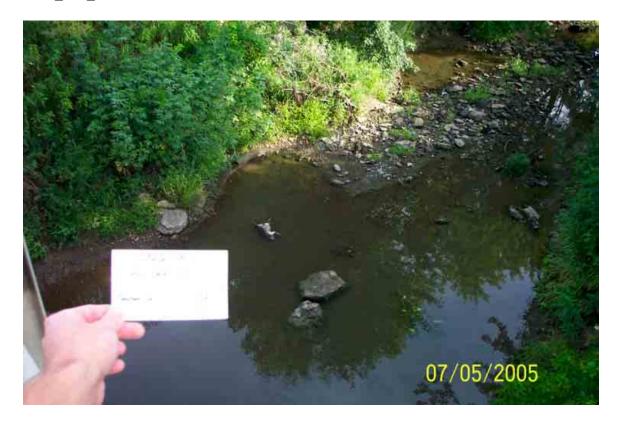
0926_001_US





0926_001_DS





0926_001_DS





Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID#:	926-002		Site Locati	on Descripti	on:	
Site GPS Coordinates:	<u> </u>	192 99.41				~ (b)
	_		Facility No		Cohne	
- 1/5/b	2) 1	AN	Pacifity Na	ine: //o/d	en WHTF	
Train 0	h.bey-	1 01		77.1	000 7702	
Current Weather Conditi	<u> </u>	4 80F			r Past 7 days:	<i>t</i>
Photo Ids: Upstream:	7- 10 Dow	mstrcam: //	-12	Other:	·	
Uses Observed*:						
Swimming	Skin diving	□scı	JBA diving		l'ubing	☐ Water skiing
☐ Wind surfing	Kayaking	Boa	ting	, C	Wading	Rafting
Hunting	Trapping	☐ Fish	ing	12/1	None of the above	Other:
Describe: (include numb	er of individuals rec	reating, treque	mcy or use, p	onoto-docum	entation of evidence	or recreational uses, etc.)
Speed fairs Surrounding Condition				704		
Speed fairs Surrounding Condition		promote or imp		onal uses. At		
Surrounding Condition items of interest.)	ı s*: (Mark all that p	promote or imp	oede recreation la	onal uses. At	ttach photos of evide	nce or unusual
Surrounding Condition items of interest.)	s*: (Mark all that p	promote or imp	pede recreation land	onal uses. At	itach photos of evide Urban areas	nce or unusual
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Surrounding Condition items of interest.) City/county parks Boating accesses No trespass sign Evidence of Human Us	IS*: (Mark all that p Playgrounds State parks Fence	oromote or imp MDC con National Steep slop	pede recreation land	onal uses. At	ttach photos of evide Urban areas Nature trails Other:	ncc or unusual Campgrounds Stairs/walkway

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

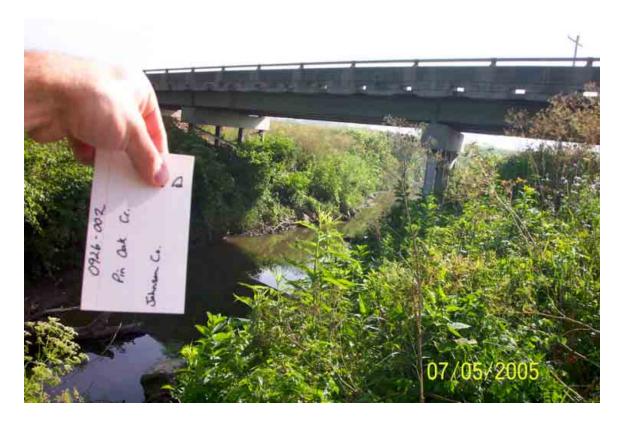
Page Two – WBID # 0100: Data Sheet B - Site Characterization

Riffle Width	(ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft);	
Run Width ((fi):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):	
Poel Width ((ft); 20	Length (ft): 75	Avg, Depth (ft): Ft	Max. Depth (ft):	IF+
☐ Flow Present	? 🗌 Yes 💢	No	Estimated (ft ³ /			,,
Downstream Vie	w Physical Di	mensions:				
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/ Ø % Cobble	% Gr	ravel % S	Sand	% Silt 90	% Mud/Clay	% Bedroc
ater Characteris						
Odor:	Sewage	☐ Musky ☐		None	Other:	.,
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Odor:	Sewage		Gray Fine sediments			Уу
Odor: Color: Bottom Deposit: Surface Deposit: mments: Please and is information is not apprehensive understatision on the recreation	Sewage Clear Sludge Oil attach additionate to be used solely inding of water commuse analysis but		Gray Fine sediments Foam ding information ational use designal y, this information as that need further	Milky None None n from intervious tion but rather is to is not intended to ranalysis or that e	Other: Other: Other: cws) to this form to provide a more directly influence effect another use.	a

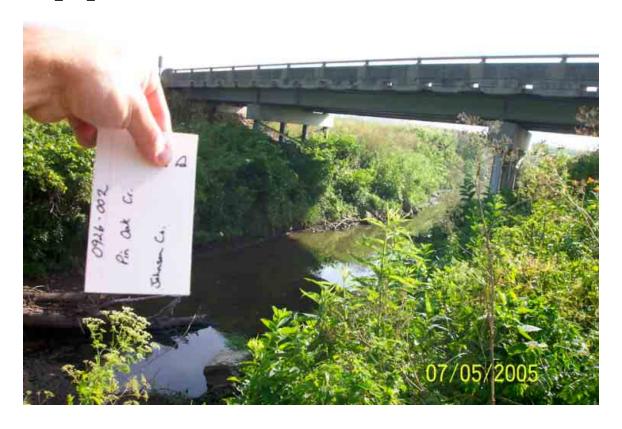


0926_002_US





0926_002_DS



Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

i Missouri WBID #: //	926-003	Site Location	Description:	
Site GPS Coordinates:	• ~	073.79410 Convy 1	J 200	
Date & Time: 7/5/	5 8:54 AM		Holder WATE	
Personnel: Agra	~ Ble. benon	Permit Numb		
Current Weather Condit		72°F Weather Con	ditions for Past 7 days:	e of
Photo Ids: Upstream: f	3-15 Down		her:	
				
ses Observed*:				
Swimming	Skin diving	SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	□ Kayaking	Boating	Wading	Rafting
Hunting	Trapping	Fishing	▼ None of the above	Other:
		eating, frequency of use, pho		of recreational uses, etc
Small acress	a farms, huns	ses, nearby new		
Small acress	a farms, huns	ses, nearby new	ll uses. Attach photos of evide	nce or unusual
Small acress	ns*: (Mark all that p	romote or impede recreations	ll uses. Attach photos of evide	nce or unusual
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Small acress arrounding Condition ms of interest.) City/county parks Boating accesses	ns*: (Mark all that pr	romote or impede recreations MDC conservation lands	uses. Attach photos of evide	nce or unusual
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Snall acress arrounding Condition ms of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that pr	romote or impede recreations MDC conservation lands National forests Steep slopes	Urban areas Nature trails Other: Trees	nce or unusual Campgrounds Stairs/walkway

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

U pstream View ☐ Riffle Width		imensions: Length (ft):	Avg. Depth		Max. Depth (ft)	
Run Width	. ,	Length (ft):	Avg. Depth	-	Max. Depth (ft)	· · -
	(ft): 30	Length (ft):				
☐ Flow Presen		No Longur (II).	Estimated (<u> </u>	Max. Depth (ft)	241
Downstream Vi	w Physics	l Dimensions:				
Riffle Width		Length (ft):	Avg. Depth	n (ft):	Max. Depth (ft)	
Run Width	(fl):	Length (ft):	Avg. Depth	n (ft):	Max. Depth (ft):	
Pool Width	(ft): 30	Length (ft):	A	(ft): /f4	Max. Depth (ft)	
Flow Presen		MNo	Estimated (.—	7.517
ostrate*: (These	values should	% Gravel	% Sand or algal growth at the ass	% Silt 40 sessment site)	% Mud/Clay	% Bedro
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ostrate*: (These % Cobble	tics*; (Mari	% Gravel ount of vegetation of	or algal growth at the ass	sessment site)		% Bedro
So % Cobbluatic Vegetation 5 % algorithms ter Characteris	values should: i*: (note ame	% Gravel ount of vegetation o		'	Other:	% Bedro
Strate*: (These % Cobble watic Vegetation 5 % 0 kg	tics*: (Mark	% Gravel ount of vegetation	or algal growth at the ass	Sossment site) None Milky		
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strate*: (These 30 % Cobble uatic Vegetation 5 % algorithm Color: Color: Bottom Deposit: Surface Deposit: mments: Please is information is no prehensive underst sion on the recreation	tics*: (Mari Sewage Clear Sludge Oil attach addi	ount of vegetation of vegetati	Chemical Gray Fine sediments Foam Garectational use designed a recreational use designed as sequently, this information	None Milky None None None mation from interestion is not intended ther analysis or the	Other: Other: Other: Other: other: rviews) to this form	n.



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